



Application No: GB 0325049.5
Claims searched: 1 - 4

Examiner: Gareth Jones
Date of search: 17 March 2004

Patents Act 1977 : Search Report under Section 17

Documents considered to be relevant:

Category	Relevant to claims	Identity of document and passage or figure of particular relevance	
X	1	DE 20307192U1	(CHEN-I) See WPI abstract. Accession No. 2003-698846[67] See also fig 2.
X	1	DE 29610591U1	(GUMP-I) See WPI abstract. Accession No. 1996-385924[39] See also fig 1-3.
X	1	DE 19501461A	(STBI) See WPI abstract. Accession No - 1996-140626[15] See also figs 1 and 2
X	1	US 3902755	(SIROT) See whole document, esp fig 1
X	1	US 3166282	(NOLAN) See whole document, esp fig 1
X	1	US 5447358	(CORLETT) See whole document esp fig 16 and cols 4 and 5.

Categories:

X Document indicating lack of novelty or inventive step	A Document indicating technological background and/or state of the art.
Y Document indicating lack of inventive step if combined with one or more other documents of same category.	P Document published on or after the declared priority date but before the filing date of this invention.
& Member of the same patent family	E Patent document published on or after, but with priority date earlier than, the filing date of this application.

Field of Search:

Search of GB, EP, WO & US patent documents classified in the following areas of the UKC^W:

A4L

Worldwide search of patent documents classified in the following areas of the IPC⁷:

A47C, A47D

The following online and other databases have been used in the preparation of this search report :

EPODOC, JAPIO, WPI.



Your ref: NJO / P020401GB
Application No: GB 0325049.5
Applicant: Cheng

Latest date for reply: 27 October 2005

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Patents Act 1977

Combined Search and Examination Report under Sections 17 & 18(3)

Plurality of invention

1. Your claims define two separate inventions not forming a single inventive concept. The inventions are:

A) Claim 1 relates to a highchair having a base and a seat portion - characterised by a pneumatic cylinder lifting means.

B) Claim 5 relates to a highchair having a seat portion and a body - characterised by having a pair of attaching sections and a pair of leg frames on the seat portion.

2. The common subject matter of the two claims being - a highchair having a seat portion, and a pneumatic cylinder lifting means. This has been found thus plurality exists.

3. You will need to amend your claims, so that they relate to only one invention or inventive concept. You will also need to make consequential amendments to the description.

Scope of search

4. In accordance with Section 17(6), only the first of these inventions has been searched. The other invention can be searched if you wish. In this case you will have to file a further Form 9/77.

What this report covers

5. I have not been able to consider the novelty or obviousness of the unsearched invention.

Novelty

6. The invention as defined in claim 1 is not new because it has already been disclosed in each of the following documents:

Doc 1 DE 20307192U1 (CHEN-I) See WPI abstract.
Accession No. 2003-698846[67] See also fig 2.

Doc 2 DE 29610591U1 (GUMP-I) See WPI abstract.
Accession No. 1996-385924[39] See also fig 1-3.



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[Examination Report contd.]

Doc 3 DE 19501461A (STBI) See WPI abstract.
Accession No - 1996-140626[15] See also figs 1 and 2

Doc 4 US 3902755 (SIROT) See whole document, esp fig 1

Doc 5 US 3166282 (NOLAN) See whole document, esp fig 1

Doc 6 US 5447358 (CORLETT) See whole document esp fig 16 and cols 4 and 5.

7. All of the above documents relate to claim 1 only.. A gas strut or pneumatic cylinder being used to raise the seat portion with respect to the base portion. Note that the claims specify a highchair. It should be noted that the claims are not limiting to a child seat. Documents 1 and 2 relate to child seats The claim appears to require amendment.

Clarity

8. The scope of claim 2 has been rendered indeterminate by lines 4 and 5 of the claim. The claim appears to require amendment.

9. In claim 3 the functional relationship between the components of the pivoting device is not clearly laid out , furthermore the terms "inner" and "outer" are relative and do not clearly define the relationship of the feature with respect to the rest of the highchair. The claim appears to require amendment.

10. In Claim 5 the functional relationship between the leg frame and the cylinder is not clearly defined. Line 26 states that "a pair of leg frames" are on both sides of the leg frame, line 28 states - "the lower end of the leg frame". There is no antecedent for "the lower end" nor is there an antecedent for "the leg frame", singular. The claim appears to require amendment.

11. With respect to the objection raised against claim 5 , the scope of claim 7 is unclear. The parallel relationship between the cylinder and the leg frame is not clearly defined, i.e. fig 8 shows the cylinder parallel to the frame at the "front" of the seat but positioned at an angle relative to the frame at the "rear" of the seat. The claim appears to require amendment.

The title of the invention

12. The title of your specification does not clearly indicate the nature of your invention. I suggest "Folding child seat with pneumatic lifting means." would be a better title.